

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A recording method for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,
the recording method comprising the steps of:
 - (a) receiving a write request which specifies at least data for a file to be written;
 - (b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata;
 - (c) querying a first next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the first next writable address;
 - (d) updating the metadata to reflect the writing of the data specified by the write request;
 - (e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the first next writable address in the write-once disc; and
 - (f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the step (b) in the write-once disc, wherein the drive apparatus obtains a second next writable address and when the location from which the metadata is read is smaller than the second next writable address, records the updated metadata at a location indicated by the second next writable address, and
 - (g) updating a remapping table to include an entry which specifies a physical address corresponding to the location from which the metadata is read and a new physical address where the updated metadata is written.
2. (Original) A recording method according to claim 1, wherein the steps (e) and (f) are performed using the same write instruction.
3. (Original) A recording method according to claim 1, wherein the step (f) is performed after the step (e) is performed.

4. (Original) A recording method according to claim 1, wherein the updated metadata includes a file entry of a directory under which the file is recorded.
5. (Original) A recording method according to claim 1, wherein the updated metadata includes a file entry of the file.
6. (Currently Amended) A system controller for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,
the system controller comprising a controller for controlling the drive apparatus, wherein the controller is configured to perform a process including the steps of:
 - (a) receiving a write request which specifies at least data for a file to be written;
 - (b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata;
 - (c) querying a first next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the first next writable address;
 - (d) updating the metadata to reflect the writing of the data specified by the write request;
 - (e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the first next writable address in the write-once disc; and
 - (f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the step (b) in the write-once disc, wherein the drive apparatus obtains a second next writable address and when the location from which the metadata is read is smaller than the second next writable address, records the updated metadata at a location indicated by the second next writable address, and
 - (g) updating a remapping table to include an entry which specifies a physical address corresponding to the location from which the metadata is read and a new physical address where the updated metadata is written.

7. (Original) A system controller according to claim 6, wherein the controller includes a semiconductor integrated circuit.

8. (Currently Amended) A non-transitory machine readable medium having a program stored thereon for use in a system controller for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,

wherein the program is configured to perform a process including the steps of:

(a) receiving a write request which specifies at least data for a file to be written;

(b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata;

(c) querying a first next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the first next writable address;

(d) updating the metadata to reflect the writing of the data specified by the write request;

(e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the first next writable address in the write-once disc; and

(f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the step (b) in the write-once disc, wherein the drive apparatus obtains a second next writable address and when the location from which the metadata is read is smaller than the second next writable address, records the updated metadata at a location indicated by the second next writable address, and

(g) updating a remapping table to include an entry which specifies a physical address corresponding to the location from which the metadata is read and a new physical address where the updated metadata is written.